

OIML Member State
The Netherlands

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Project number 3630882
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Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer Saudi Meters Company Ltd.
2nd Industrial Area
4719 Riyadh 14331 – 7141 Unit No. 14
Kingdom of Saudi Arabia

Identification of the certified type **A measuring instrument**
Type: MA309MH4LSA or MA309MH4LSA1

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 46-1/-2 (2012) "Active electrical energy meters"

Accuracy class B

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
8 September 2023
Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-3630882-01 dated 8 September 2023 that includes 54 pages;
- No. NMI-3630882-02 dated 8 September 2023 that includes 25 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.

Table 1 General characteristics

General characteristics MA309MH4LSA	
Meter type	Static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	Two-registers, bi-directional
Terminal arrangement	DIN 43857
Protective class	Category 2
Environmental application	
Ambient temperature range	-25 °C to +70 °C
Humidity class	H2
IP Rating / environmental use	IP54 (indoor)
Meter quantities	
Nominal voltage (U_{nom})	3x133/230V...3x230/400V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	100 A
Basic current (I_b)	10 A
Transitional current (I_{tr})	1 A
Minimum current (I_{min})	0.5 A
Starting current (I_{st})	0.04 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	KF13A420 Main V1.5
Power supply board (PS)	KF13A420 PS V1.4
Module version	CL101KG: KF01L064 V3.4
Software identification	LR: 4004 Checksum: F01C2CCC

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General characteristics MA309MH4LSA1	
Meter type	Static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	Two-registers, bi-directional
Terminal arrangement	DIN 43857
Protective class	Category 2
Environmental application	
Ambient temperature range	-25 °C to +70 °C
Humidity class	H2
IP Rating / environmental use	IP54 (indoor)
Meter quantities	
Nominal voltage (U_{nom})	3x133/230V...3x230/400V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	160 A
Basic current (I_b)	20 A
Transitional current (I_{tr})	2 A
Minimum current (I_{min})	1 A
Starting current (I_{st})	0.08 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	KF13A427 Main V1.1
Power supply board (PS)	KF13A427 PS V1.1
Module version	CL101KG: KF01L064 V3.4
Software identification	LR: 4104 Checksum: EA1B5B0F

Certificate history:

Revision	Date	Description of the modification
0	8 September 2023	Initial issue